

Amendments to the Abstract:

ABSTRACT

Please replace the abstract that appears on page 10 of the specification with the following revised abstract which is submitted on a separate sheet.

Abstract of WO2004042338

The A relative pressure sensor comprises two chambers $[(5, 6)]$ and two separating membranes $[(2, 3)]$ respectively provided for a process pressure and an ambient pressure. The chambers $[(5, 6)]$ are separated by a pressure-sensitive element (4) ~~(measuring membrane)~~ and are filled with a transmission medium. In order to attenuate process-side overload pulses, which act upon the first separating membrane $[(2)]$, a hydraulic damper $[(7)]$ is provided that is placed on the side of the atmosphere between the second separating membrane and the pressure-sensitive element. The pressure-sensitive element is a piezoresistive silicon chip, the transmission medium consists of silicone oil, and the damper is comprised of a filter element made of sintered bronze having 29% porosity and an 11 micrometer pore diameter. The filter element $[(7)]$ has a length of 8 mm and a diameter of 2 mm.